

Abstract of the Disclosure

The present invention relates to the preparation of metal chelate complexes immobilized on a support, immobilized metal chelate complexes and methods of using the supports and immobilized metal chelate complexes for the adsorption and/or hydrolysis of phosphate esters.

5 More specifically, processes for the preparation of immobilized metal chelate complexes by attachment of metal chelate complexes to solids, polymers, micelles, liposomes, tubules and other self-organized polymolecular associations immobilized metal chelate complexes made by such processes and use of the supports and immobilized metal chelate complexes for the adsorption and/or hydrolysis of phosphate ester group containing compounds such as chemical warfare nerve agents and pesticides, are disclosed. The present invention provides the ability to efficiently decontaminate phosphate ester compounds under a wide range of conditions in a practical and cost-effective manner.

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